

## MEDICAL PROPEDEUTICS II

**Study Programme: MIMV    Curricular Year 3<sup>rd</sup>    Semester 6<sup>th</sup>    Compulsory    Credits: 4.5 ECTS**

**Lecturer(s): J. H. Duarte Correia (CCP), Maria Teresa Villa de Brito (R), Luís R. PLamas**

### 1. Contact hours:

**Lectures 26    Practicals 26    Total 52**

### 2. Objectives:

At the end of the semester, the student should be able to: define, describe and analyze biological signs and syndromes, collected from the examination of organs and systems, in the perspective of the appropriate ancillary tests necessary to orientate the diagnostic plan towards a given organ or system. Decide which laboratory ancillary tests to choose in order to explore body systems or organs; acquire relevant technical gestures and attitudes necessary to perform clinical pathology tests; correctly perform simple laboratory tests; interpret the results of laboratory tests critically, in the scope of information collected from history and clinical signs.

### 3. Programme:

Theoretical didactic units: Clinical pathology of Blood and Haematopoietic organs; Hepatology: laboratory evaluation and main hepatic liver diseases; exocrine pancreas: laboratory evaluation, acute pancreatitis, chronic pancreatitis and exocrine pancreatic insufficiency; Changes in plasma proteins and lipids, Changes in hydro-electrolyte and acid-base balance, Semiology of the digestive tract; Semiology of the Urinary system.

Practical classes: Laboratory Semiology: Complete blood count; Hemostasis Tests; Analysis of effusion fluids; Urinalysis“. *Case-Based Learning (CBL)*”: Blood and hematopoietic organs, Hepatic Semiology; Exocrine Pancreas Semiology; Urinary system; Hydro electrolyte and acid-base balance

### 4. Bibliography:

Ettinger, S. J. e Feldman, E. C. Textbook of Veterinary Internal Medicine: Diseases of the Dog and Cat, 5<sup>a</sup>Ed, W.B. Saunders Company 2017.

Latimer, K.S., Mahaffey, E.A. & Prasse ; K.W.. Duncan & Prass's Veterinay Laboratory Medicine-Clinical Pathology, 5th Ed, Iowa State Press 2011

Stockham, S.L, Scott; M.A. Fundamentals of Veterinary Clinical Pathology – 2ndt Ed, Stockham, S.L, Scott; M.A. Eds, Iowa State Press 2013

Villers E. & Blackwood L. (eds). BSAVA Manual of canine and Feline Clinical Pathology, 3th Ed, BSAVA, 2016.

Willard, M.D.; Tvedten, H.; Small Animal Clin. Diag. by Lab. Meth.. 5th Ed. W.B. Saunders Company, Philadelphia, 2012

### 5. Assessment:

Final exam, consisting of a theoretical part (70% of the final grade) and a practical part: 4 clinical cases to be solved using the problem-based approach method (30% of the final grade) (0 to 20 points).